

RU2147759C1: POLARIZER

Country: RU Russian Federation

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Abstract:

Polarizer has a supporting structure and at least one double-refraction anisotropically absorbing layer, having at least one refractive index increasing at an increase of the wave-length of light being polarized at least within a certain band of wave-lengths and formed on the basis of at least one water-insoluble, dichroic dye representing a vat dye or pigment. Dye or pigment may be selected from polycyclic compounds, or perinonic dyes, or heterocyclic derivatives of anthrene, or anthraquinone dyes, or indigoing dyes, or azo compounds, or aromatic heterocyclic compounds, or it may be luminescent. Anisotropically absorbing double-refraction layer may have a thickness at which interference extremum, for example, minimum is realized at least for one linearly polarized component. Polarizer may be made as multilayer one. At least one double-refraction anisotropically absorbing layer may consist of several fragments of arbitrary shape differing in color and direction of polarization vector. EFFECT: enhanced resistance to moisture, improved polarization characteristics. 23 cl, 5 dwg

Family (14 family members)

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WO9931535C2 Sept. 16, 1999 Dec. 15, 1998 POLARISER AND LIQUID CRYSTAL DISPLAY ELEMENT

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RU2147759C1 April 20, 2000 March 16, 1998 POLARIZER

RU2143128C1 Dec. 20, 1999 Feb. 24, 1998 POLARIZER

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RU2140663C1 Oct. 27, 1999 Feb. 24, 1998 MONOCRYSTALLINE INDICATING ELEMENT

RU2140662C1 Oct. 27, 1999 Feb. 24, 1998 OPTICAL POLARIZER

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